



INTATRADE  
**MATERIAL SAFETY DATA SHEET**  
according to 1907/2006/EC, Article 31

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## 1. IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY

Product name: **Hyaluronic acid from Rooster Comb**  
Product code: RS03345  
Company: INTATRADE Chemicals GmbH  
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Phone: +49 3493/605464  
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## 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture According to Regulation (EC) No1272/2008  
Acute toxicity, Oral (Category 4)  
According to European Directive 67/548/EEC as amended.  
Harmful if swallowed.

Label elements  
Pictogram



Signal word **Warning**  
Hazard statement(s) H302 Harmful if swallowed.  
Precautionary statement(s) none  
Hazard symbol(s) Xn Harmful  
R-phrase(s) R22 Harmful if swallowed.  
S-phrase(s) S22 Do not breathe dust.  
S24/25 Avoid contact with skin and eyes.  
Other hazards Handle as if capable of transmitting infectious agents.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization  
Designation: Hyaluronic acid from Rooster Comb  
CAS-No.: 9004-61-9

## 4. FIRST AID MEASURES

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.  
If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
In case of skin contact Wash off with soap and plenty of water. Consult a physician.  
In case of eye contact Flush eyes with water as a precaution.  
If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary.

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## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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## 7. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: -20°C

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment Respiratory protection	For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Eye protection	Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin and body protection	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form	solid
Colour	white
Safety data	
pH	no data available
Melting point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available

Upper explosion limit  
Water solubility

no data available  
ca. 5g/l

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## 10. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.  
Conditions to avoid no data available  
Materials to avoid Strong oxidizing agents  
Hazardous decomposition products Hazardous decomposition products formed under fire conditions. -  
Nature of decomposition products not known.

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## 11. TOXICOLOGICAL INFORMATION

Acute toxicity LD50 Oral - rabbit - > 1.000 mg/kg  
LD50 Oral - mouse - > 2.400 mg/kg  
TDLo Oral - rat - 2.275 mg/kg  
Remarks: Nutritional and Gross Metabolic: Weight loss or decreased weight gain.  
Intraperitoneal: Kidney, Ureter, Bladder: Other changes in urine composition. Blood: Changes in leukocyte (WBC) count.  
Blood: Normocytic anemia.

Skin corrosion/irritation no data available  
Serious eye damage/eye irritation no data available  
Respiratory or skin sensitization no data available  
Germ cell mutagenicity no data available  
Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity no data available  
Specific target organ toxicity – single exposure no data available  
Specific target organ toxicity – repeated exposure no data available  
Aspiration hazard no data available  
Potential health effects  
Inhalation May be harmful if inhaled. May cause respiratory tract irritation.  
Ingestion Harmful if swallowed.  
Skin May be harmful if absorbed through skin. May cause skin irritation.  
Eyes May cause eye irritation.

Signs and Symptoms of Exposure To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information RTECS: MT7250000

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## 12. ECOLOGICAL INFORMATION

Toxicity no data available  
Persistence and degradability no data available  
Bioaccumulative potential no data available  
Mobility in soil no data available  
PBT and vPvB assessment no data available  
Other adverse effects no data available

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## 13. DISPOSAL CONSIDERATIONS

Product Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

ADR/RID	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

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## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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## 16. OTHER INFORMATION

### Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Intatrade Chemicals GmbH shall not be held liable for any damage resulting from handling or from contact with the above product.